

2022 Florida CAPS Cotton Surveys

Robert Leahy USDA, Krystal Ashman FDACS, Doug Restom – Gaskill USDA, Scott Weihman USDA



Thaumatotibia leucotreta



Oxycarenus hyalinipennis

5426962



Spodoptera litura



Helicoverpa armigera

O. hyalinipennis

Coutin R. / OPIE

2022 CAPS Cotton Commodity Survey

Target Pests



Helicoverpa armigera –
Old World Bollworm



UGA1265094

Spodoptera litura –
Cotton cutworm



2022 CAPS Cotton Commodity Survey

Target Pests



Thaumatotibia leucotreta –
False codling moth



2022 CAPS Cotton Commodity Survey

Target Pests



Lissachatina fulica –
Giant African Land Snail (GALS)



Oxycarenus hyalinipennis -
Cotton Seed Bug (CSB)



CAPS Cotton Commodity Survey



Trapping sites: Predominately in commercial cotton, and in University of Florida REC research fields in north Florida, and west through the panhandle region.



CAPS Cotton Commodity Survey



Pest-specific pheromone lures are used in each tricolor bucket, and white Delta trap. Lure replacement is scheduled based on CAPS Approved Methods. The traps are checked, and specimens collected every two weeks.



CAPS Cotton Commodity Survey



During trap service visits, visual surveys were conducted for *Oxycarenus hyalinipennis* (CSB), and *Lissachatina fulica* (GALS). Visual surveys were also conducted on okra in community gardens and on cotton at two historical sites in Central Florida.



CAPS Cotton Commodity Survey

2022 Results



The Cotton Commodity Survey for 2022 was executed in **8** Florida counties at **14** designated high risk sites.

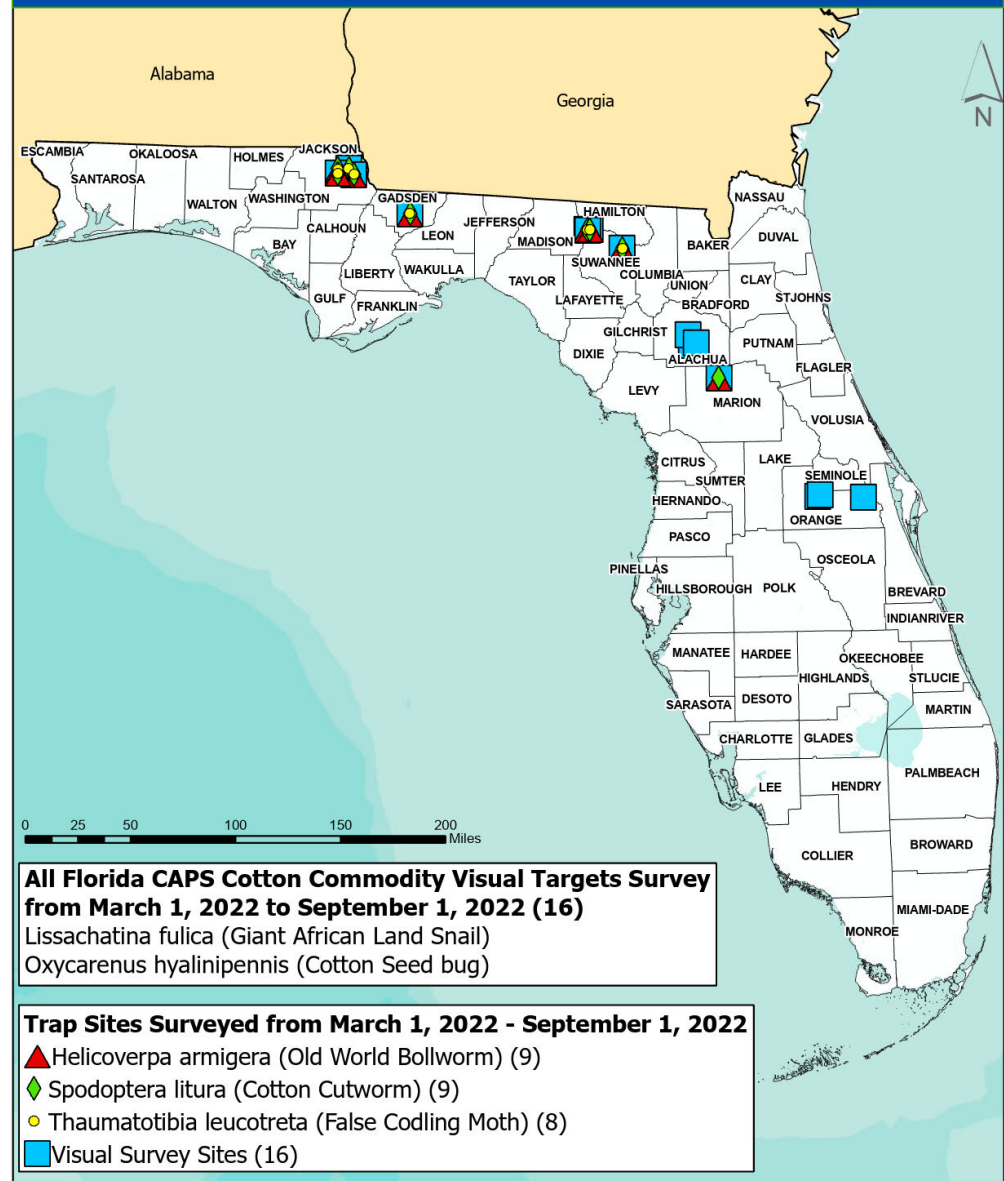
	Counties	Traps	Checks	Specimens
<i>Helicoverpa armigera</i>	5	9	43	1180
<i>Spodoptera litura</i>	5	9	40	15
<i>Thaumatotibia leucotreta</i>	4	8	37	36
Visual Surveys (GALS)	2	*2	2	1
(CSB)	4	*6	20	0

*Visual survey sites

No target pests were detected.

CAPS Cotton Commodity Survey sites 2022

Florida CAPS Cotton Commodity Survey - All Sites 2022



FDACS, DPI, CAPS
 K. Burnette, L. Whilby, B. Danner
 Map for illustrative purposes only



Coordinate System: Florida Albers Equal Area Conic
 Datum: North American 1983
 Data Source: CAPS
 Date: 10/6/2022

CAPS Cotton Commodity Survey

2023 Survey Plan



- ❑ Reestablish sites from 2022 survey.
- ❑ Continue to survey for new target fields near the I-10, and I-75 corridors.
- ❑ Expand visual surveys in community gardens.
- ❑ Continue environs surveys around commercial, research and community garden sites.

Florida CAPS Cotton Commodity Survey



Thank you!

